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	<i>^</i>		and Related Compounds, in Land		
			KH. Hellwege and A. M. Hellw		
			pages 261-314.		
/	٨٥		P. W. Anderson, Comments on S	Solid State Physics, vol	.ll. pp. 193-197
۳ `	1	<u> </u>	(February/March 1970).		·
1	40	ļ	R. Englman, The Jahn-Teller Eff		
	<u> </u>	<u> </u> 	(Wiley-Interscience, 1972), pp.	139-141, 164-181, 249-2	65
12	AΕ	_	B. K. Chakraverty, Journal de	Physique-Lettres, vol.	40, pp. L-99 - L-100
·	1 		(March 1979).		
4	AF	 	G. Deutscher et al. Physical Re	view B, vol. 21	
	1		pp. 5041-5047, (1 June 1980).		
19-	AC		K. A. Muller et al. Physical Rev	view Letters, vol. 45, p	p. 832-835,
	1	_	(8 September 1980).		
W_	АН		R. A. Buhrman et al., in AIP C		
	1		Superconductors - 1979, (Berkel	ey Springs, W.V.), D.	U. Gubser et al.
			pp. 207-215 (1980).		
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7	1	_	T. D. Thanh et al. Applied Phy	sics, vol. 22, pp. 205-2	212 (1980).
2			C. Methfessel and S. Methfessel,	, in <u>Proceedings</u> of the	IV Conference on
	1		Superconductivity in d- and f- E	Band Metals, W. Buckel	and W. Weber, eds.
			(Kernforschungszentrum, Karlsru	uhe, 1982), pp. 393-399	
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bo	AA	A. Baratoff et al., in Proceedings of the IV Conference on Superconductivity
<u>'</u>	2	In d- and f- Band Metals, W. Buckel and W. Weber eds.,
		(Kernforschungszentrum, Karlsruhe, 1982) pg. 419.
p-	AC 2	J. Muller, Rep. Prog. Phys., vol. 43, pp. 642-687, (1980)
V	۵٥ 2	M. Suzuki et al., Shinku, vol. 24, pp. 67-75, (1981). [in Japanese].
P	۸٤	K. A. Muller et al., Physical Review Letters, vol. 47, pp. 138-142, (13 July 1981).
2	AF 2	Y. Enomoto et al., Japanese Journal of Applied Physics, vol. 20, pp. L661-L664, (September 1981).
~	4 G 2	B. K. Chakraverty, Journal de Physique, vol. 42, pp. 1351-1356, (September 1981).
*	АН 2	L. Er-Rakho et al., Journal of Solid State Chemistry, vol. 37, pp. 151-156, (1981).
A	A1 2	A. Baratoff and G. Binnig, Physica, vol. 108B, pp. 1335-1336, (1981).
A	AJ 2	L. F. Mattheiss and D. R. Hamann, Physical Review B, vol. 26, pp. 2686-2689, (1 September 1982).
0	A K 2	L. F. Mattheiss and D. R. Hamann, Physical Review B, vol. 28, pp. 4227-4241, (15 October 1983).
N	AL 2	KH. Hock et al, Helvetica Physica Acta, vol. 56, pp. 237-243, (1983).
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Page 4 of **13** TTY, DOCKET NO. YO987-074 BZ 08/479,810 LIST OF REFERENCES CITED BY APPLICANT J. Georg Bednorz and K. Alex Mueller (Uso several sheets if necessary) ILING DATE June 7, 1995 OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) H. Takagi et al., "High-T_C Superconductivity of La-Ba-Cu Oxides. II-Specification of the Superconducting Phase", unpublished nine-page manuscript bearing date of 8 December 1986. S.-I. Uchida et al., "High-Tc Superconductivity of La-Ba-Cu Oxides. III-Electrical Resistivity Measurement" unpublished nine-page manuscript -(page 7 missing) bearing date of 22 December 1986. K. Kishlo et al., "New High Temperature Superconducting Oxides. 70 (La1-xSrx)2CuO4- δ and (La1-xCax)2Cu)4- δ " unpublished four-page manuscript bearing date of 22 December 1986. C. W. Chu et al. "Superconductivity Above 52K in the La-Ba-Cu-O System" unpublished fourteen-page manuscript bearing date of 30 December 1986. W. Sullivan, New York Times, 31 December 1986, page A1, cols. 2-3 and 40 4 A13, cols. 1-2. S.-I. Uchida et al., "High-Tc Superconductivity of La-Ba(Sr)-Cu Oxides. h٩ IV - Critical Magnetic Fields" unpublished ten-page manuscript bearing date of 8 January 1987. S. Kanbe et al., "Superconductivity and Lattice Parameters in La $(La_1-xSr_X)_2Cu)_4-\delta$ Solid Solution System" unpublished four-page 4 manuscript bearing date of 13 January 1987. EXAMINER DATE CONSIDERED 90M

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